



NTSB National Transportation Safety Board

Office of Aviation Safety

Flight Crew Performance: Operational Factors

Captain David Tew
Operations Group Chairman



Before Taxi Activities

- Captain required to conduct a taxi briefing
 - Airport diagram
 - Extra care crossing runways
- Abbreviated briefing
- First flight as a crew

Before Taxi Activities

- First officer briefed “taxi to runway 22 via taxiway alpha”
 - Runway end lights out
 - “Lights out all over the place”
- Did not include crossing runway 26

Before Taxi Activities

- Controller issued standard clearance to runway 22
- Consistent with two earlier flights

Before Taxi Activities

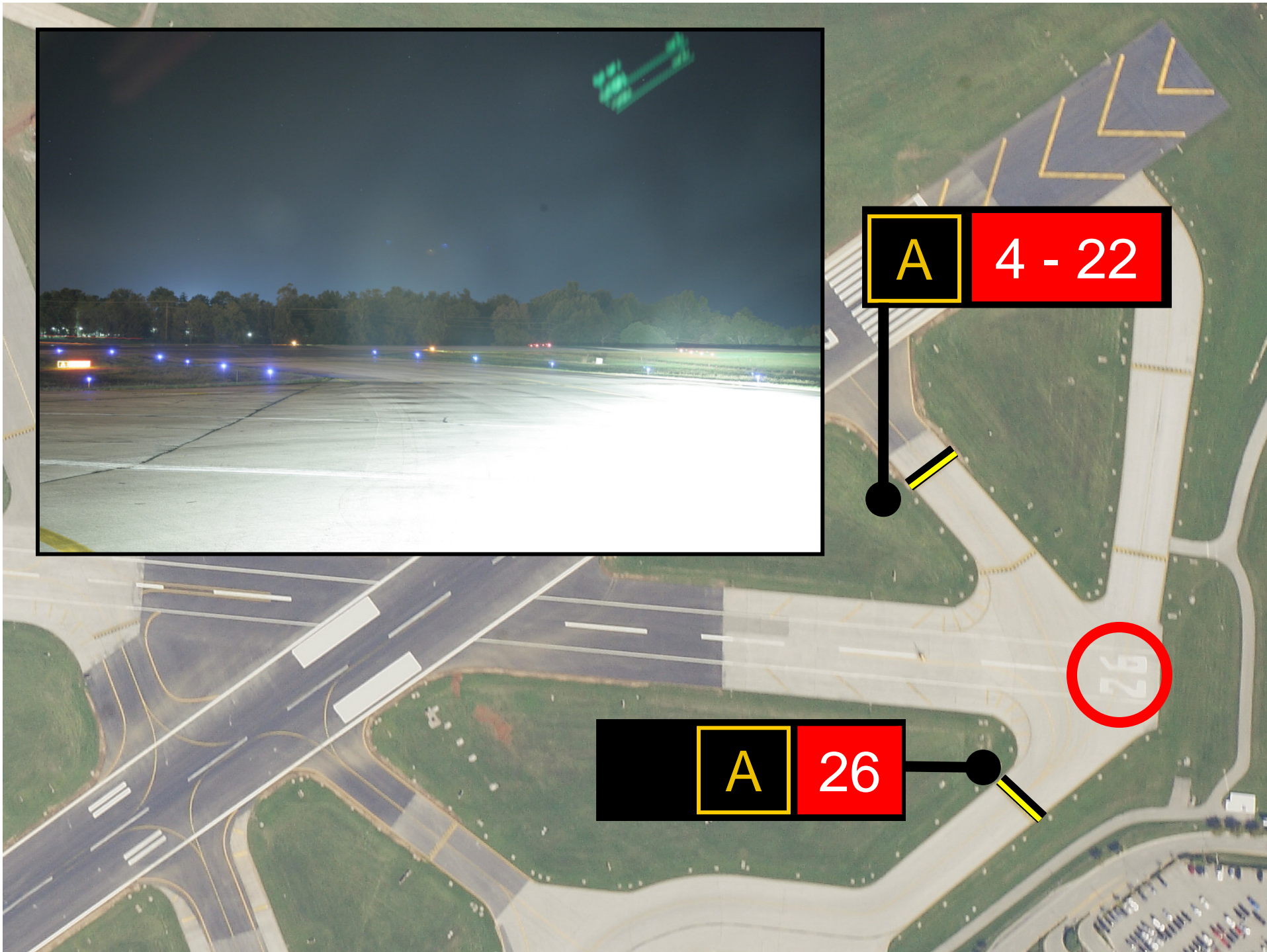
- Chart and taxiway identifications
 - Taxiway A5 redesignated A
 - Chart depicted paved surfaces accurately
- Crew did not receive local NOTAM
- Construction not on ATIS broadcast
- Closed taxiway had barricades

Taxi Activities

- First officer performed before takeoff checks
- 40 seconds of nonpertinent conversation
 - Noncompliance with sterile cockpit regulations

Taxi Activities

- Stopped at runway 26 hold short line
- Advised controller that flight ready to depart
- Time was available for flight crew to confirm airplane's location



A

4 - 22

A

26

26

Safety Recommendation

- Recommendation A-06-83
 - Require cross-check and location confirmation
- FAA issued guidance
- Cross-checking and location confirmation should be required

Takeoff Actions

- Crew noticed absence of runway lights
- No guidance for operations on unlighted runways
- Recommendation to establish relevant guidance
- FAA complied

Takeoff Actions

- V1-rotate call out followed by “whoa”
- Callout made 11 knots below planned rotation speed

Takeoff Actions

- End of runway indicated hazardous situation
- First officer pulled control column full aft
- Beyond point at which takeoff could be aborted



NTSB